

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



55/004

(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085478 A2

(51) International Patent Classification⁷: **C07K 19/00**, 14/47, 14/475, 14/525, 14/52, 14/54, 14/705, 14/715

(21) International Application Number:
PCT/EP2004/003239

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03006949.6 26 March 2003 (26.03.2003) EP

(71) Applicant (for all designated States except US):
APOGENIX BIOTECHNOLOGY AG [DE/DE];
Im Neuenheimer Feld 581, 69120 Heidelberg (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **WALCZAK, Henning [RU/DE]**; Keplerstrasse 17, 69120 Heidelberg (DE).

(74) Agents: **WEICKMANN, Franz, Albert et al.**; Weickmann & Weickmann, Postfach 860 820, 81635 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2004/085478 A2

(54) Title: IMPROVED FC FUSION PROTEINS

(57) Abstract: The invention relates to fusion proteins comprising at least a first domain and a second domain selected from a constant Fc immunoglobulin domain.